

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041621\
 Data File : BF123612.D
 Acq On : 17 Apr 2021 2:08
 Operator : JU/CG
 Sample : M2044-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-041421

Quant Time: Apr 17 03:58:54 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 16 10:31:33 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

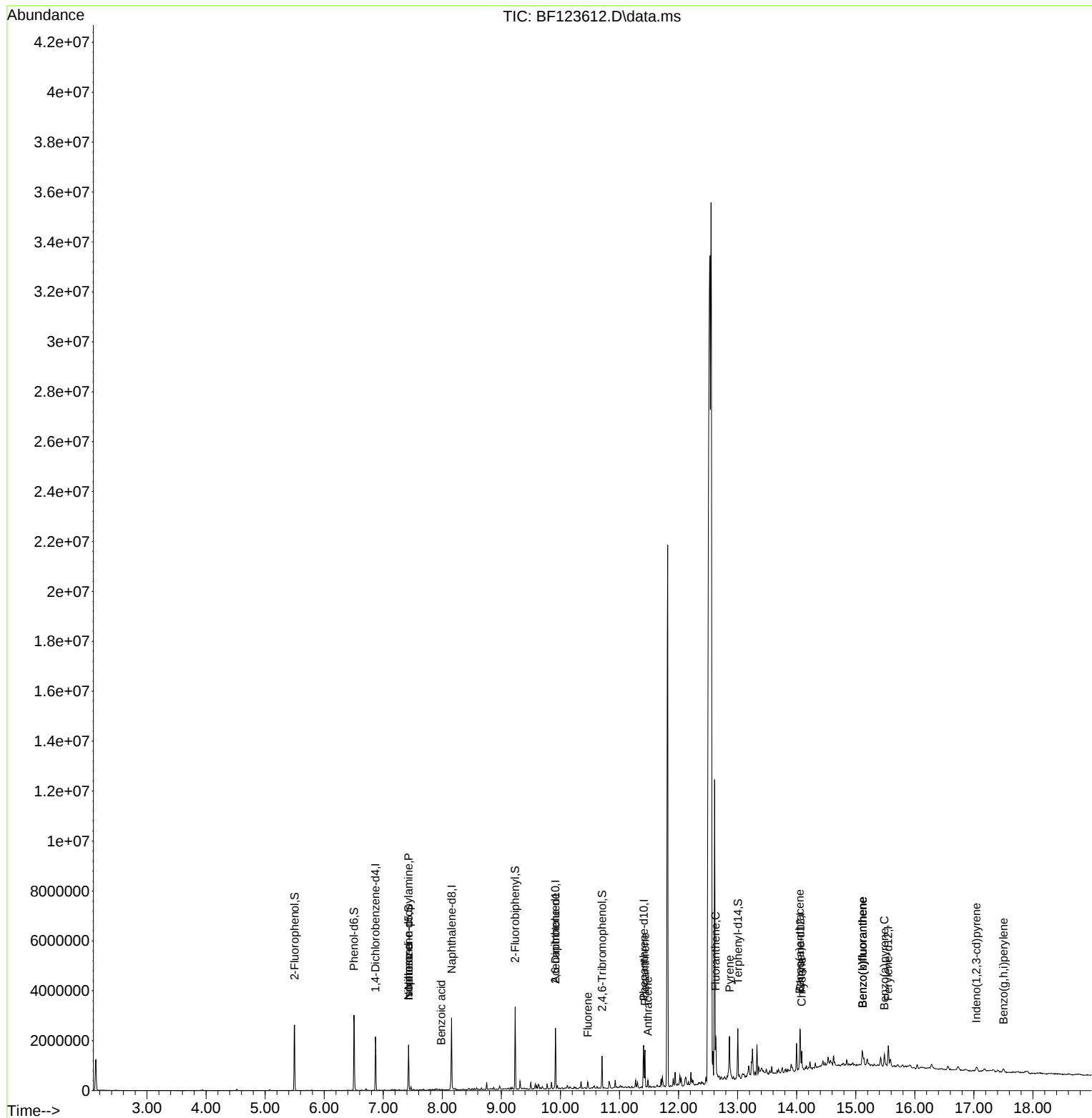
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	278774	20.00	ng	0.00
21) Naphthalene-d8	8.157	136	995010	20.00	ng	0.00
39) Acenaphthene-d10	9.916	164	424099	20.00	ng	0.00
64) Phenanthrene-d10	11.410	188	630549	20.00	ng	0.00
76) Chrysene-d12	14.062	240	474863	20.00	ng	0.00
86) Perylene-d12	15.551	264	386591	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	614749	35.64	ng	0.02
7) Phenol-d6	6.504	99	778885	32.59	ng	0.00
23) Nitrobenzene-d5	7.428	82	466708	21.56	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	118268	24.63	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	797413	28.03	ng	0.00
79) Terphenyl-d14	13.004	244	548439	22.45	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	64169	4.05	ng	# 77
25) Isophorone	7.428	82	463349	11.03	ng	# 69
32) Benzoic acid	7.981	122	129	4.56	ng	# 1
51) 2,6-Dinitrotoluene	9.916	165	59410	9.24	ng	# 11
58) Fluorene	10.463	166	63032	2.13	ng	99
71) Phenanthrene	11.433	178	525106	15.96	ng	99
72) Anthracene	11.480	178	97623	2.97	ng	98
75) Fluoranthene	12.627	202	724592	20.04	ng	99
78) Pyrene	12.863	202	703945	20.31	ng	99
81) Benzo(a)anthracene	14.051	228	281738	9.68	ng	96
83) Chrysene	14.086	228	305356	10.45	ng	98
87) Indeno(1,2,3-cd)pyrene	17.045	276	121957	5.91	ng	98
88) Benzo(b)fluoranthene	15.115	252	412653	15.12	ng	# 96
89) Benzo(k)fluoranthene	15.115	252	412653	15.85	ng	# 96
90) Benzo(a)pyrene	15.486	252	218476	10.06	ng	99
92) Benzo(g,h,i)perylene	17.503	276	125953	8.81	ng	# 93

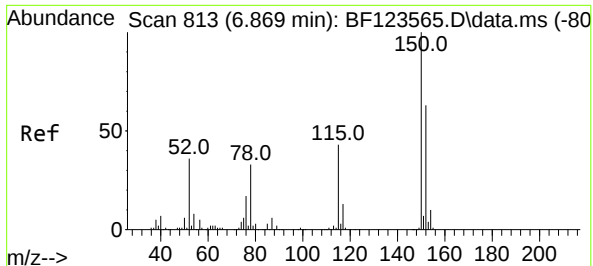
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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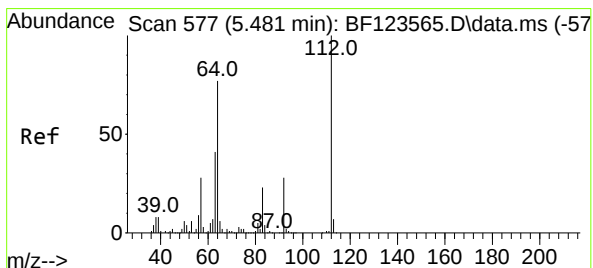
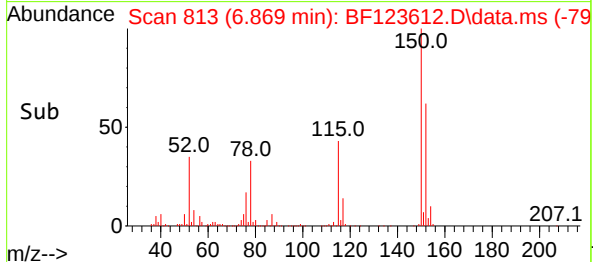
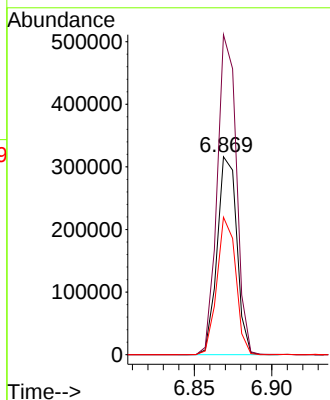
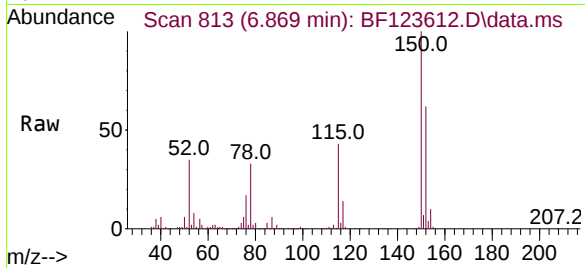




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF123612.D
Acq: 17 Apr 2021 2:08

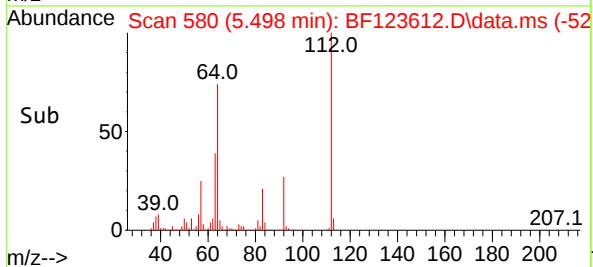
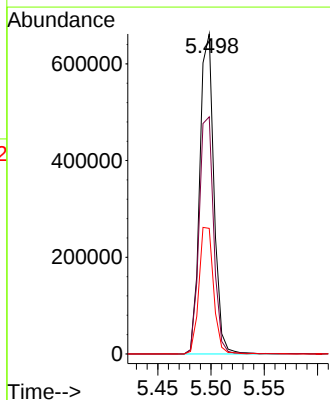
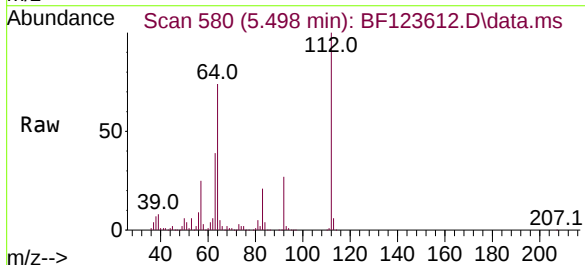
Instrument :
BNA_F
ClientSampleId :
TR-05-041421

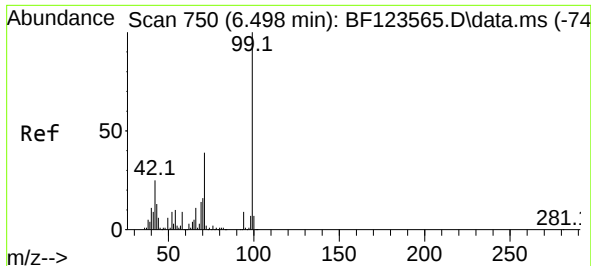
Tgt Ion:152 Resp: 278774
Ion Ratio Lower Upper
152 100
150 161.7 127.0 190.6
115 69.5 54.3 81.5



#5
2-Fluorophenol
Concen: 35.64 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF123612.D
Acq: 17 Apr 2021 2:08

Tgt Ion:112 Resp: 614749
Ion Ratio Lower Upper
112 100
64 74.1 61.4 92.0
63 39.3 33.0 49.4

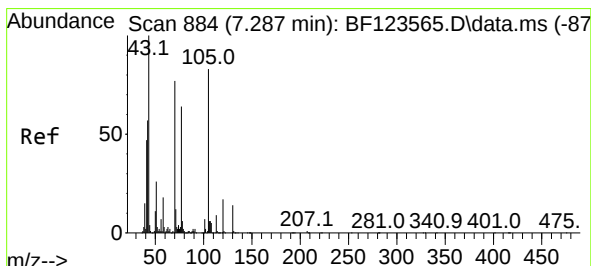
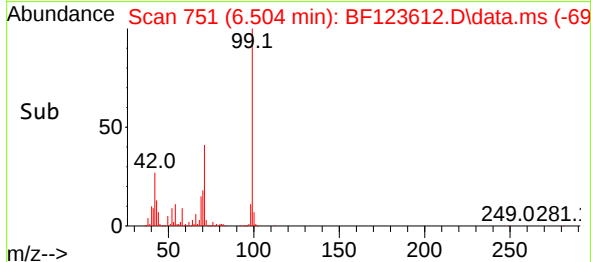
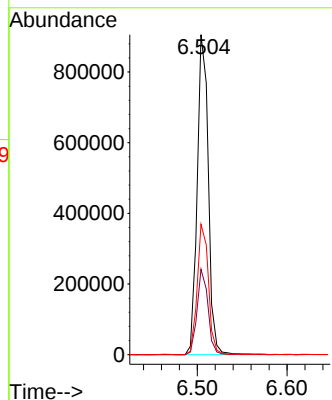
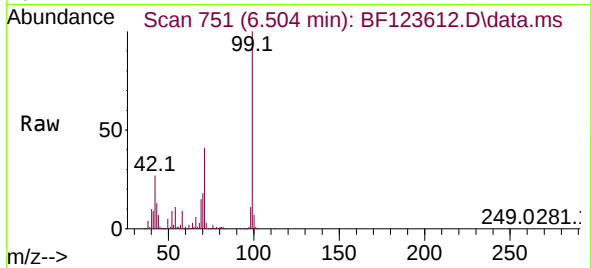




#7
Phenol-d6
Concen: 32.59 ng
RT: 6.504 min Scan# 751
Delta R.T. 0.006 min
Lab File: BF123612.D
Acq: 17 Apr 2021 2:08

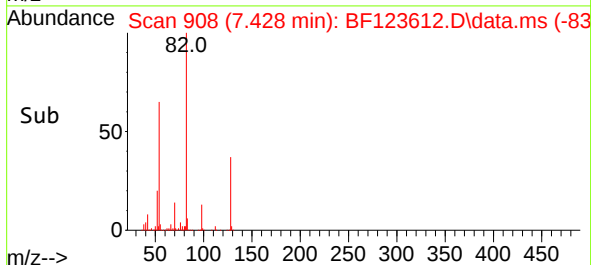
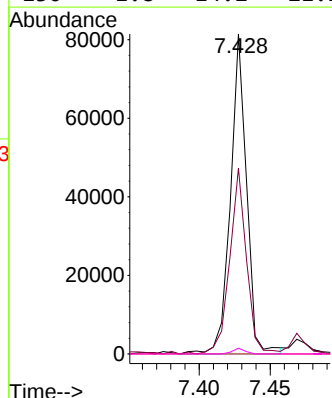
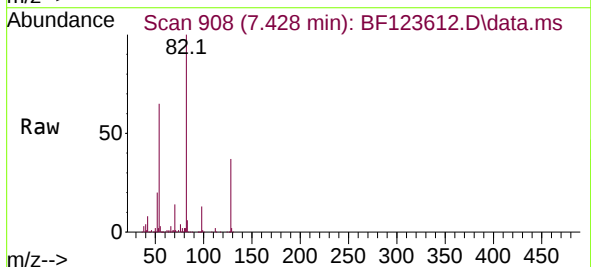
Instrument :
BNA_F
ClientSampleId :
TR-05-041421

Tgt Ion: 99 Resp: 778885
Ion Ratio Lower Upper
99 100
42 26.7 19.8 29.8
71 40.7 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 4.05 ng
RT: 7.428 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF123612.D
Acq: 17 Apr 2021 2:08

Tgt Ion: 70 Resp: 64169
Ion Ratio Lower Upper
70 100
42 58.1 60.1 90.1#
101 0.0 7.4 11.2#
130 1.8 14.2 21.2#

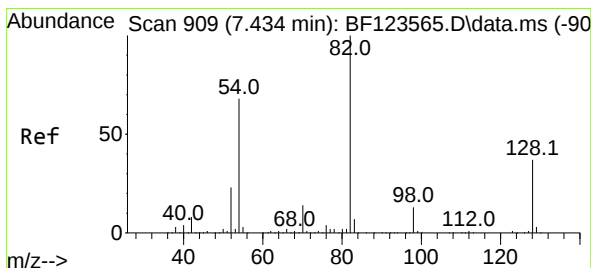
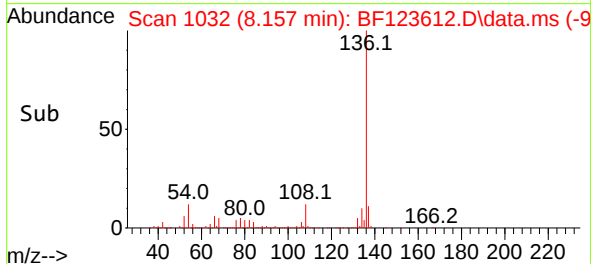
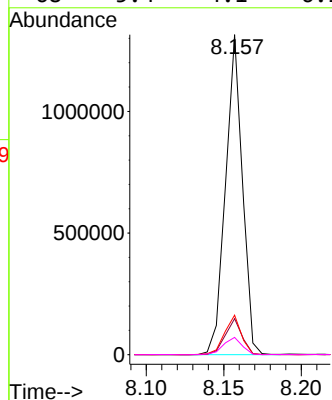
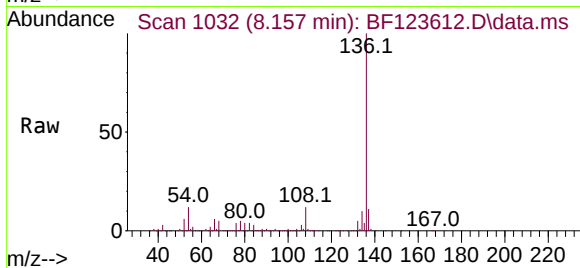




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF123612.D
Acq: 17 Apr 2021 2:08

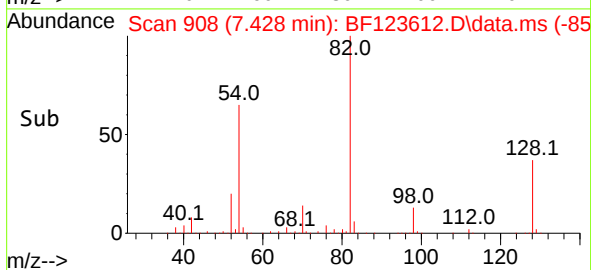
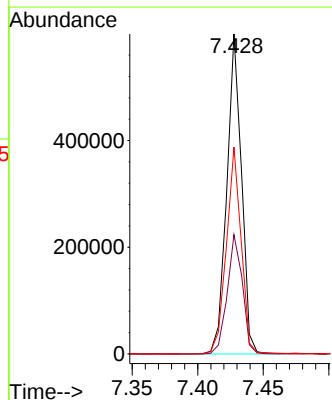
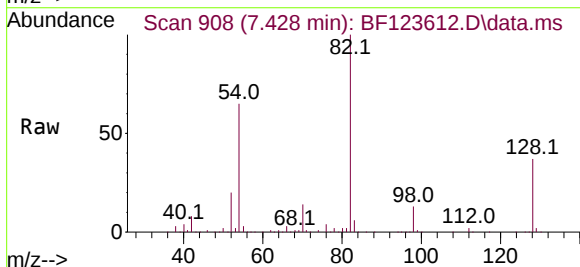
Instrument :
BNA_F
ClientSampleId :
TR-05-041421

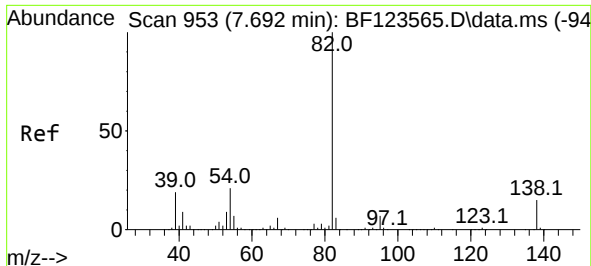
Tgt Ion:	136	Resp:	995010
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	12.4	9.8	14.6
68	5.4	4.1	6.1



#23
Nitrobenzene-d5
Concen: 21.56 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF123612.D
Acq: 17 Apr 2021 2:08

Tgt Ion:	82	Resp:	466708
Ion	Ratio	Lower	Upper
82	100		
128	37.3	29.4	44.2
54	64.6	54.1	81.1

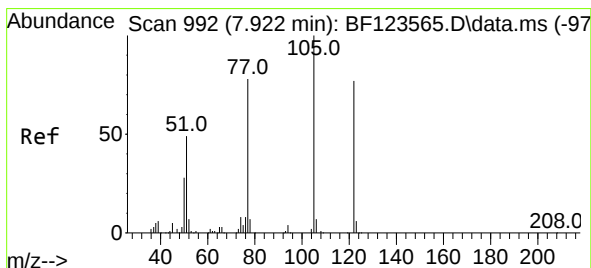
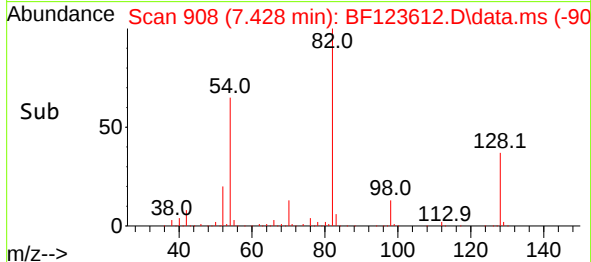
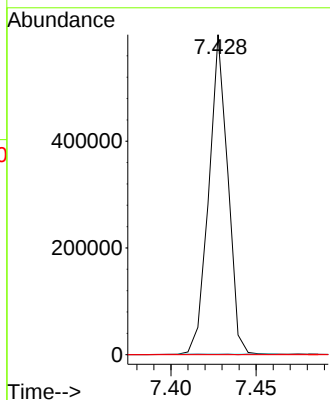
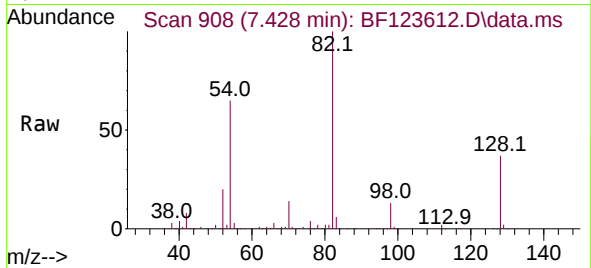




#25
Isophorone
Concen: 11.03 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.265 min
Lab File: BF123612.D
Acq: 17 Apr 2021 2:08

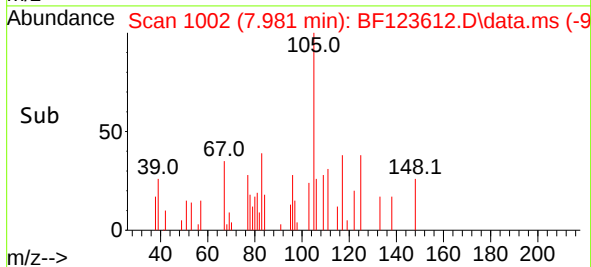
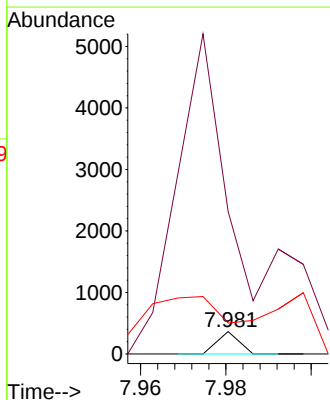
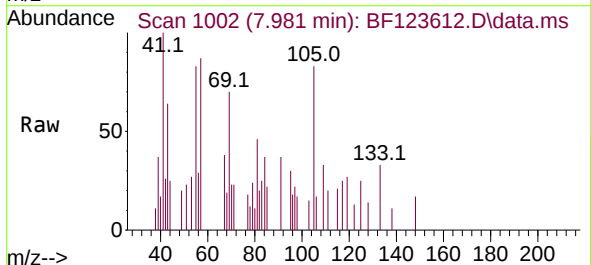
Instrument :
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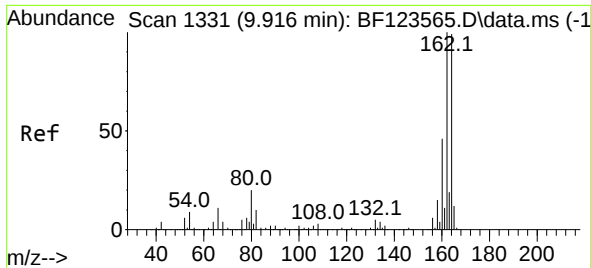
Tgt Ion: 82 Resp: 463349
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 4.56 ng
RT: 7.981 min Scan# 1002
Delta R.T. 0.059 min
Lab File: BF123612.D
Acq: 17 Apr 2021 2:08

Tgt Ion: 122 Resp: 129
Ion Ratio Lower Upper
122 100
105 635.1 107.8 147.8#
77 137.5 81.6 121.6#

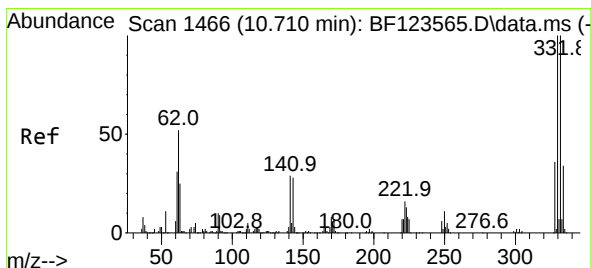
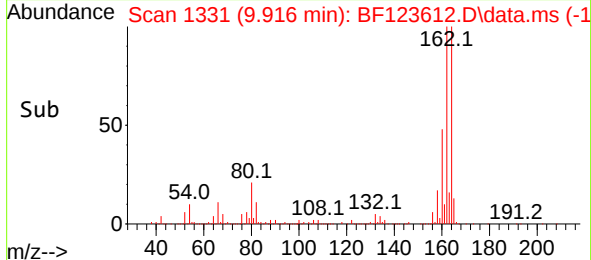
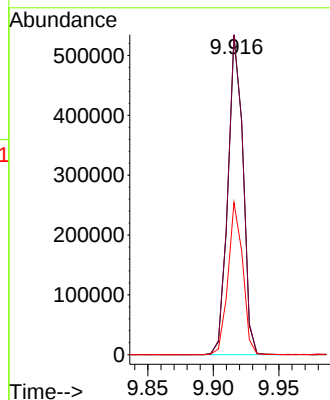
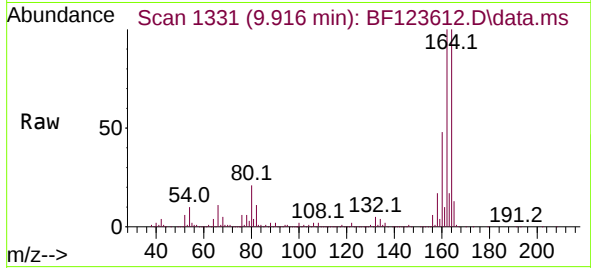




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF123612.D
Acq: 17 Apr 2021 2:08

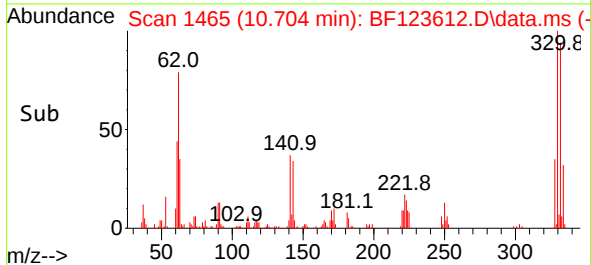
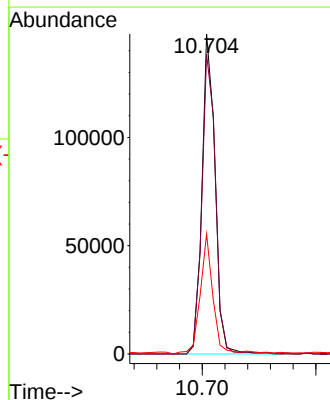
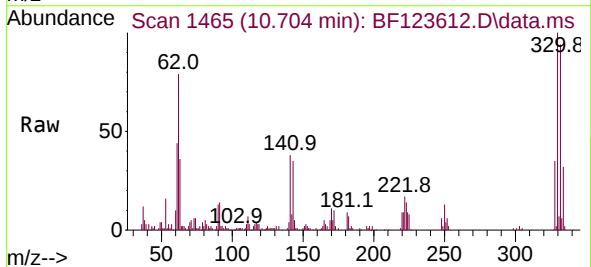
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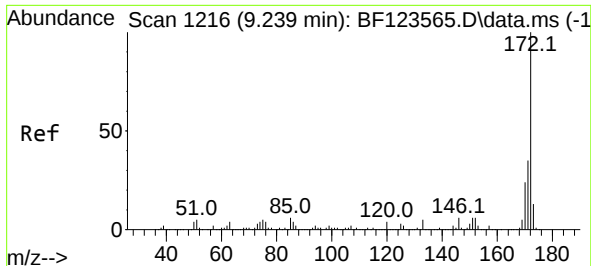
Tgt Ion:164 Resp: 424099
Ion Ratio Lower Upper
164 100
162 100.5 80.7 121.1
160 47.8 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 24.63 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF123612.D
Acq: 17 Apr 2021 2:08

Tgt Ion:330 Resp: 118268
Ion Ratio Lower Upper
330 100
332 97.7 77.1 115.7
141 36.1 27.9 41.9

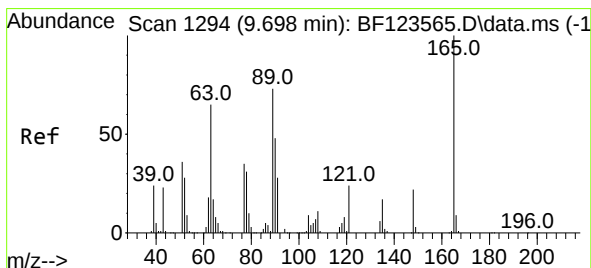
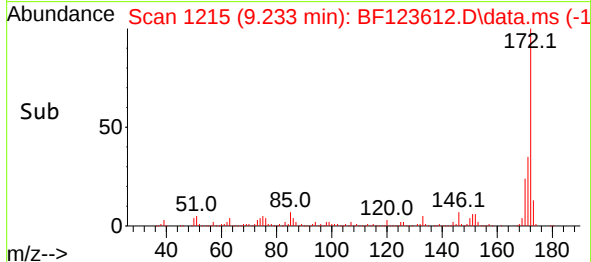
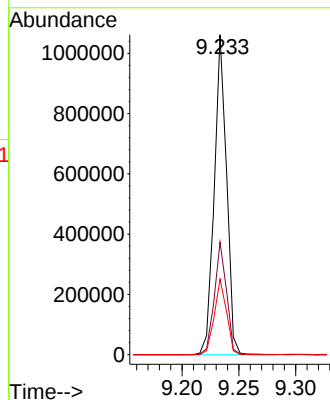
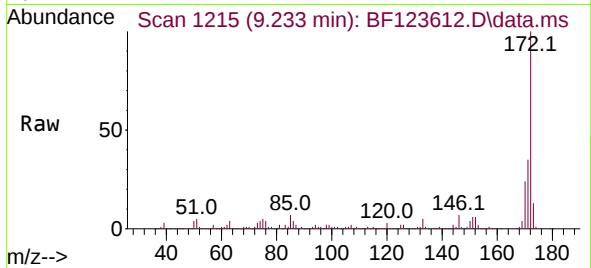




#45
2-Fluorobiphenyl
Concen: 28.03 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF123612.D
Acq: 17 Apr 2021 2:08

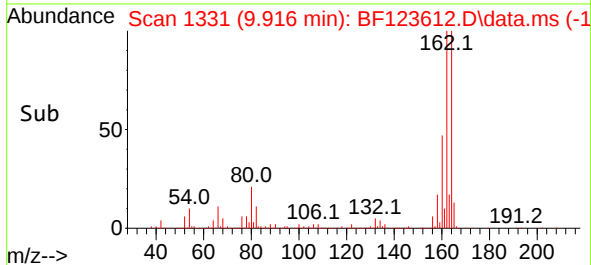
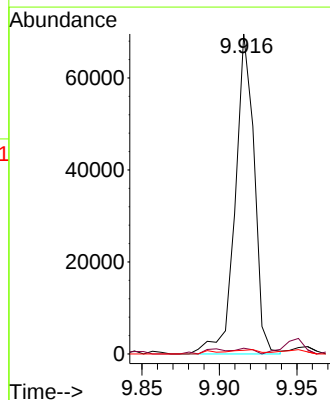
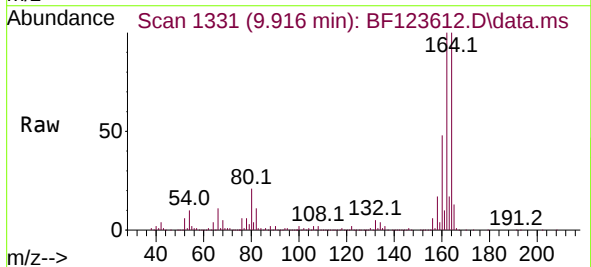
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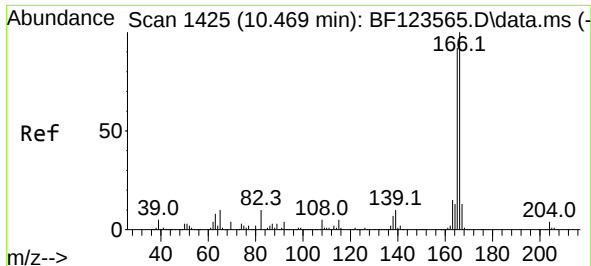
Tgt Ion:172 Resp: 797413
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.6 19.2 28.8



#51
2,6-Dinitrotoluene
Concen: 9.24 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.218 min
Lab File: BF123612.D
Acq: 17 Apr 2021 2:08

Tgt Ion:165 Resp: 59410
Ion Ratio Lower Upper
165 100
63 1.8 67.7 101.5#
89 1.2 58.8 88.2#

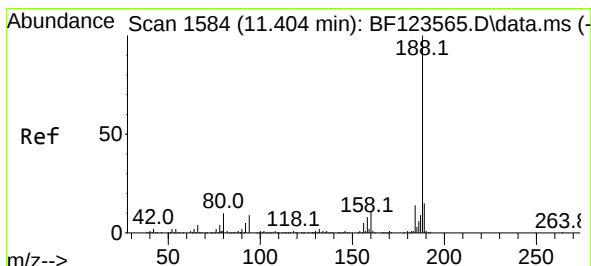
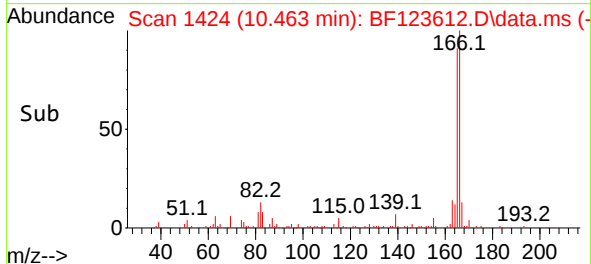
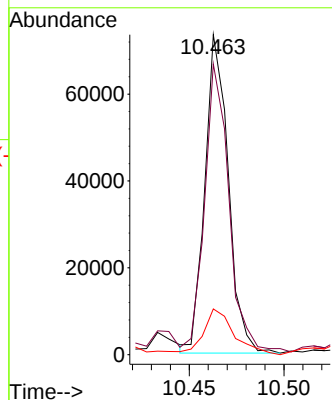
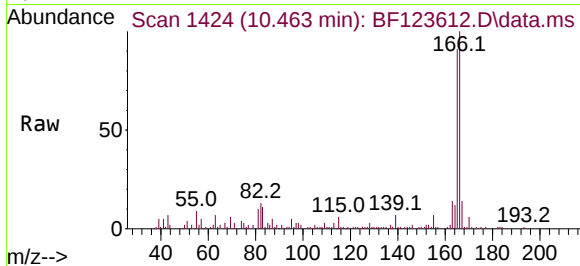




#58
Fluorene
Concen: 2.13 ng
RT: 10.463 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF123612.D
Acq: 17 Apr 2021 2:08

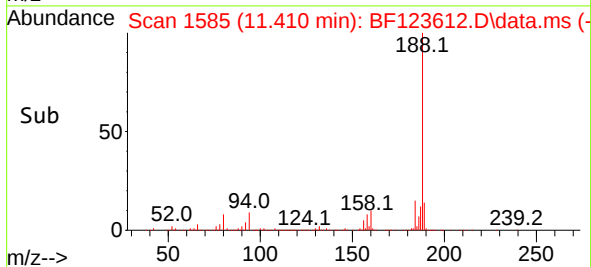
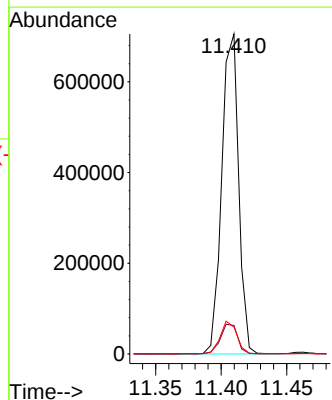
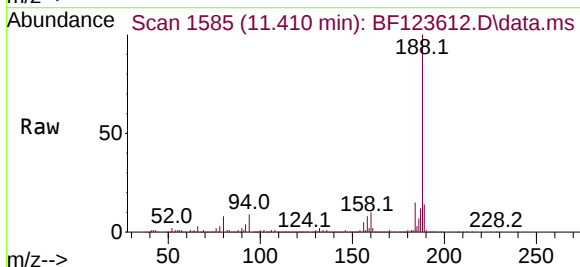
Instrument :
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ClientSampleId :
TR-05-041421

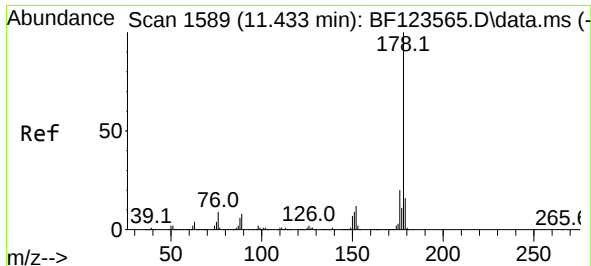
Tgt Ion:166 Resp: 63032
Ion Ratio Lower Upper
166 100
165 90.9 73.5 110.3
167 14.3 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF123612.D
Acq: 17 Apr 2021 2:08

Tgt Ion:188 Resp: 630549
Ion Ratio Lower Upper
188 100
94 8.9 6.9 10.3
80 8.4 8.2 12.2

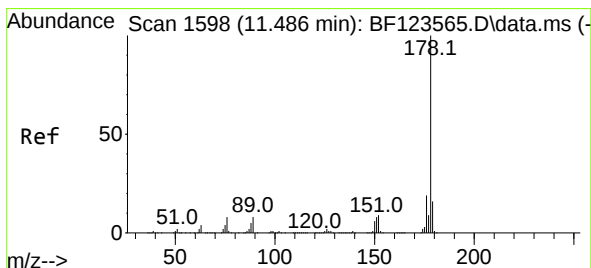
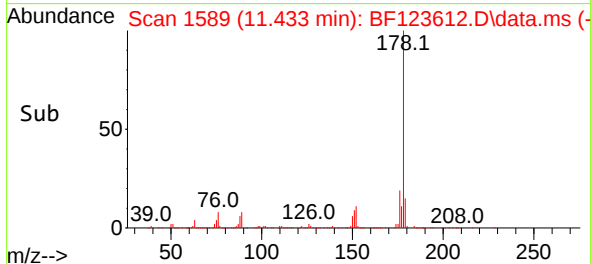
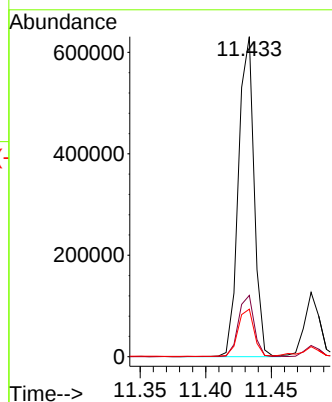
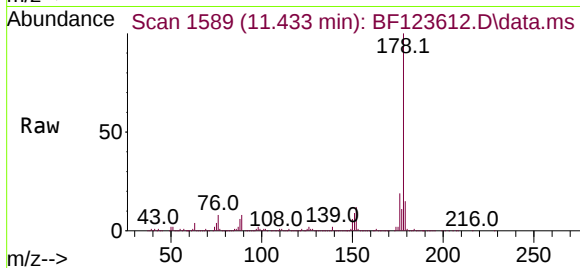




#71
Phenanthrene
Concen: 15.96 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BF123612.D
Acq: 17 Apr 2021 2:08

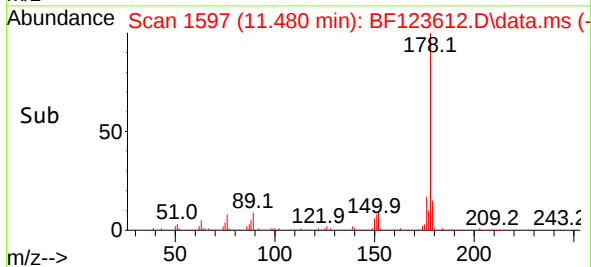
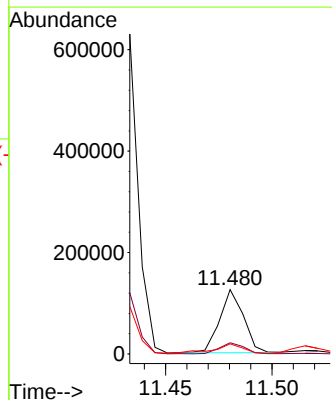
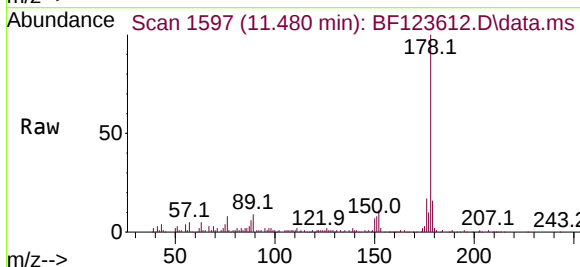
Instrument :
BNA_F
ClientSampleId :
TR-05-041421

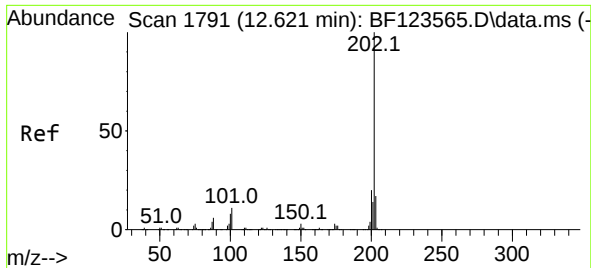
Tgt Ion:178 Resp: 525106
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 14.8 12.5 18.7



#72
Anthracene
Concen: 2.97 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF123612.D
Acq: 17 Apr 2021 2:08

Tgt Ion:178 Resp: 97623
Ion Ratio Lower Upper
178 100
176 17.4 15.4 23.0
179 15.6 12.6 18.8

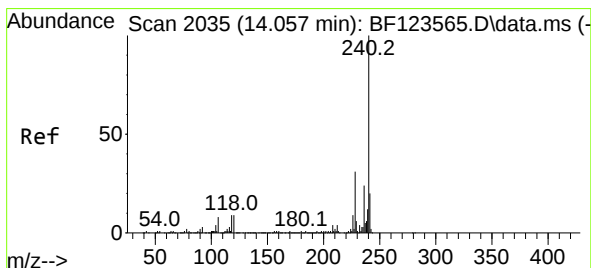
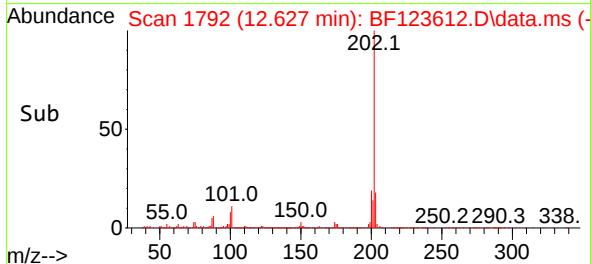
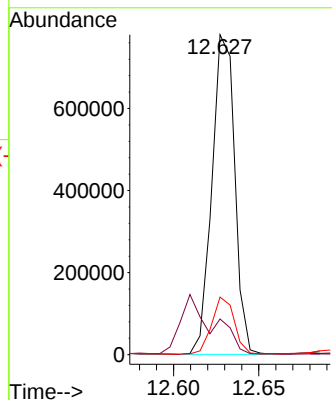
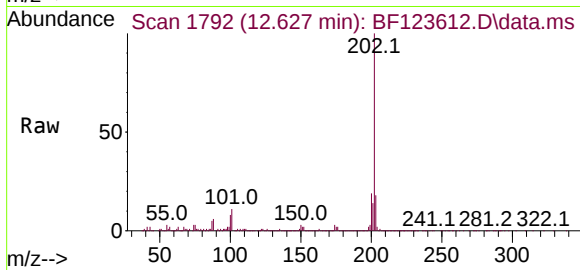




#75
Fluoranthene
Concen: 20.04 ng
RT: 12.627 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BF123612.D
Acq: 17 Apr 2021 2:08

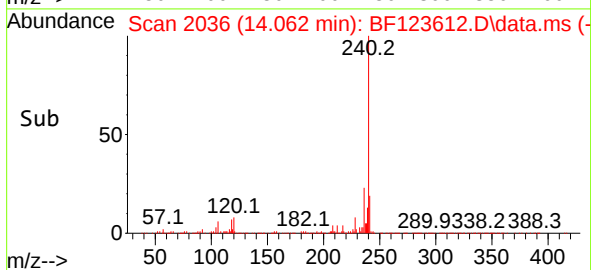
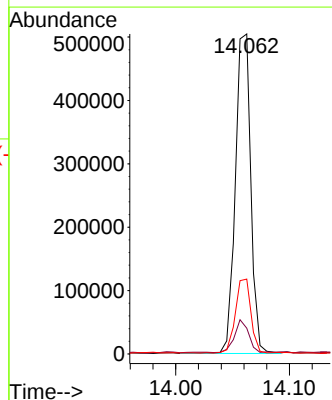
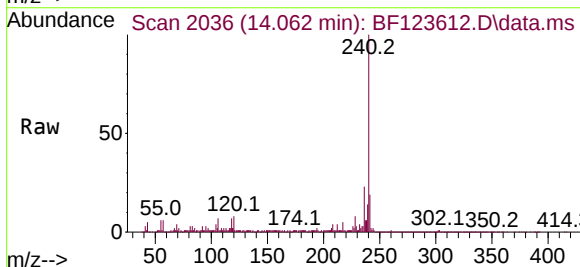
Instrument :
BNA_F
ClientSampleId :
TR-05-041421

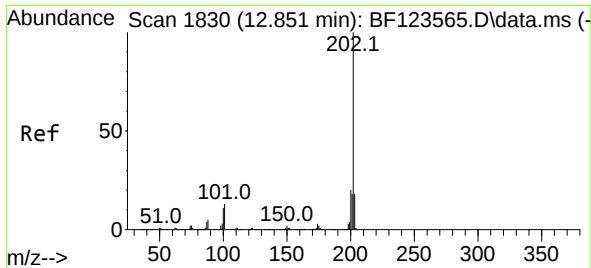
Tgt Ion:202	Resp:	724592
Ion Ratio	Lower	Upper
202	100	
101	11.2	0.0 30.9
203	18.0	0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.062 min Scan# 2036
Delta R.T. 0.006 min
Lab File: BF123612.D
Acq: 17 Apr 2021 2:08

Tgt Ion:240	Resp:	474863
Ion Ratio	Lower	Upper
240	100	
120	8.1	7.2 10.8
236	23.4	19.0 28.4

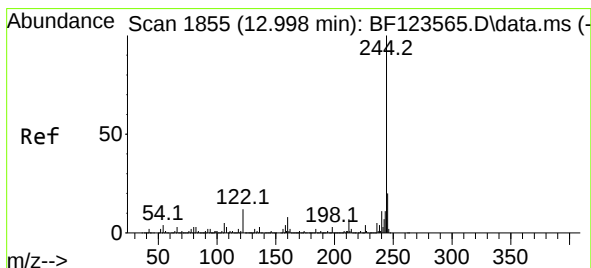
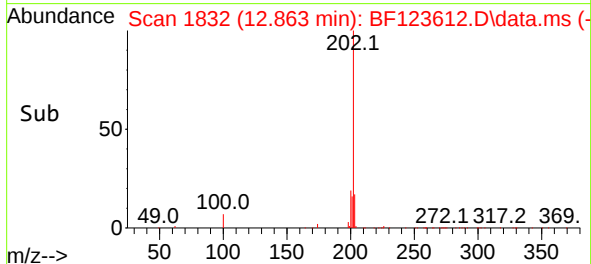
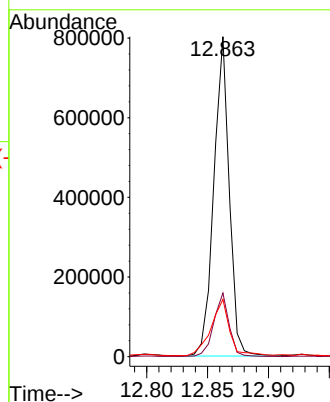
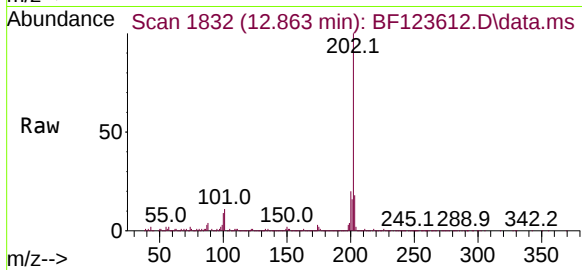




#78
Pyrene
Concen: 20.31 ng
RT: 12.863 min Scan# 1832
Delta R.T. 0.006 min
Lab File: BF123612.D
Acq: 17 Apr 2021 2:08

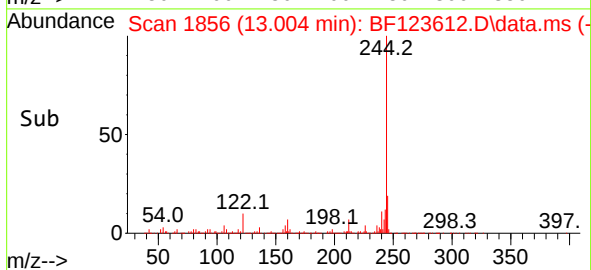
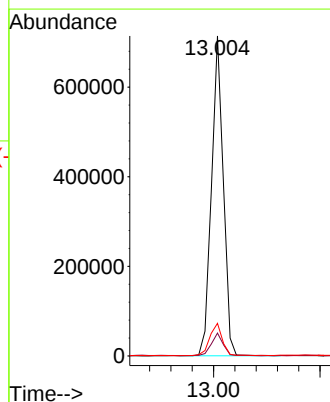
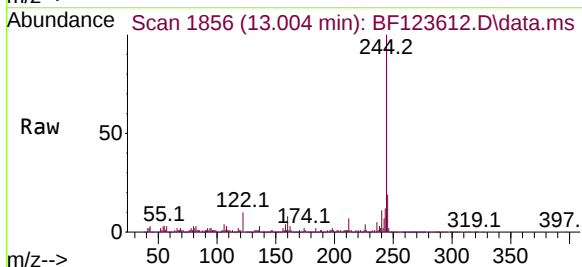
Instrument :
BNA_F
ClientSampleId :
TR-05-041421

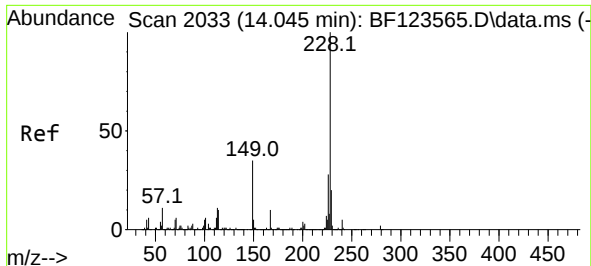
Tgt Ion:202 Resp: 703945
Ion Ratio Lower Upper
202 100
200 19.9 16.1 24.1
203 17.9 14.8 22.2



#79
Terphenyl-d14
Concen: 22.45 ng
RT: 13.004 min Scan# 1856
Delta R.T. 0.006 min
Lab File: BF123612.D
Acq: 17 Apr 2021 2:08

Tgt Ion:244 Resp: 548439
Ion Ratio Lower Upper
244 100
212 7.2 5.7 8.5
122 10.2 9.7 14.5

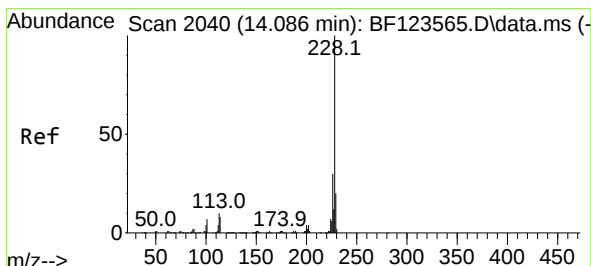
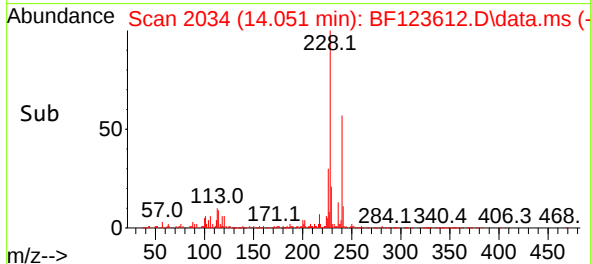
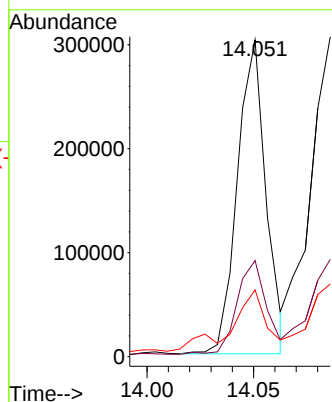
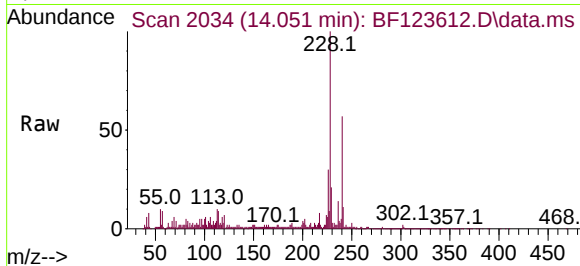




#81
Benzo(a)anthracene
Concen: 9.68 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF123612.D
Acq: 17 Apr 2021 2:08

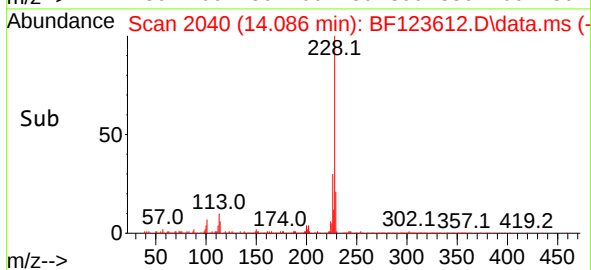
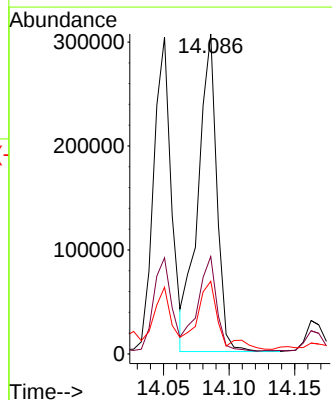
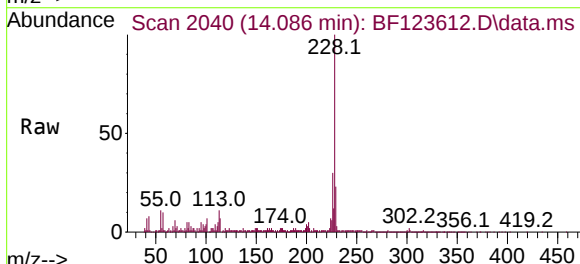
Instrument :
BNA_F
ClientSampleId :
TR-05-041421

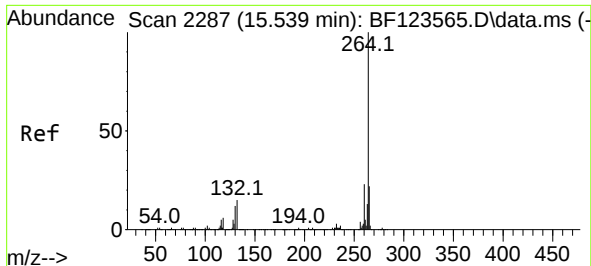
Tgt Ion:228 Resp: 281738
Ion Ratio Lower Upper
228 100
226 30.4 22.4 33.6
229 21.1 16.0 24.0



#83
Chrysene
Concen: 10.45 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.000 min
Lab File: BF123612.D
Acq: 17 Apr 2021 2:08

Tgt Ion:228 Resp: 305356
Ion Ratio Lower Upper
228 100
226 30.4 24.3 36.5
229 22.7 16.2 24.2

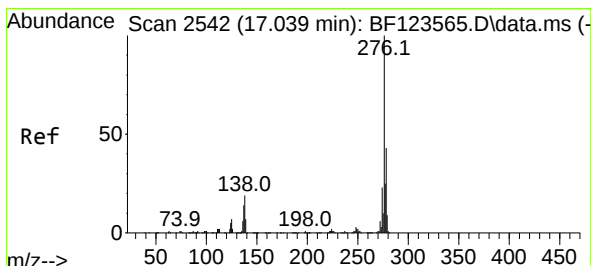
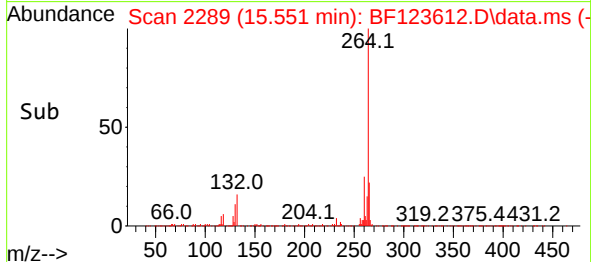
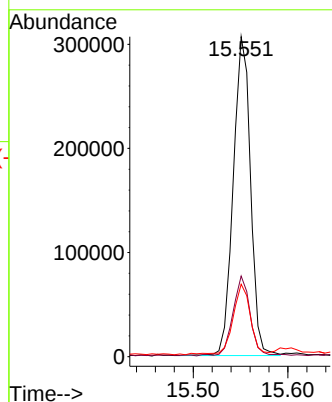
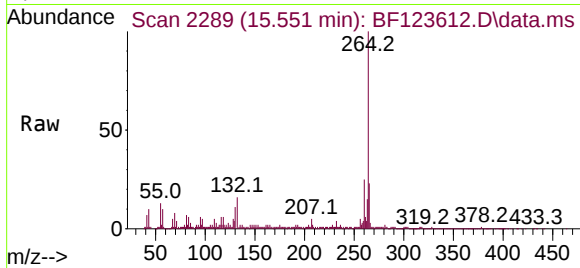




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.551 min Scan# 2289
Delta R.T. 0.012 min
Lab File: BF123612.D
Acq: 17 Apr 2021 2:08

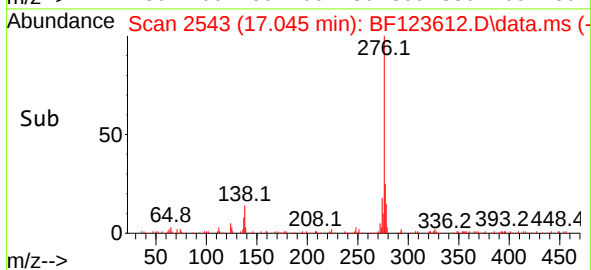
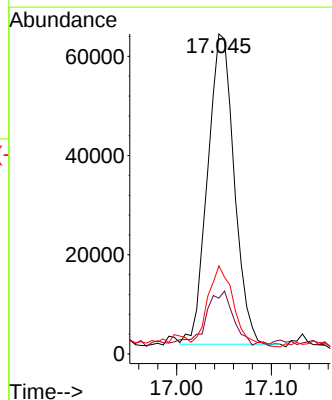
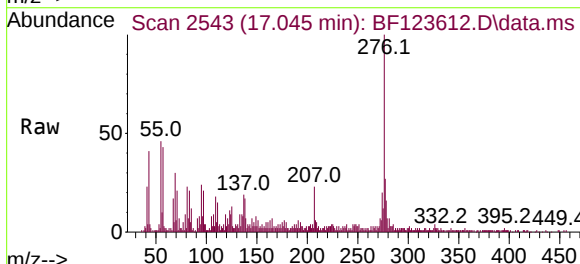
Instrument :
BNA_F
ClientSampleId :
TR-05-041421

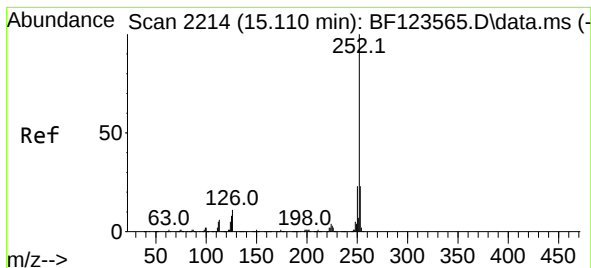
Tgt Ion:	264	Resp:	386591
Ion Ratio	Lower	Upper	
264	100		
260	25.2	18.7	28.1
265	22.7	17.8	26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.91 ng
RT: 17.045 min Scan# 2543
Delta R.T. 0.006 min
Lab File: BF123612.D
Acq: 17 Apr 2021 2:08

Tgt Ion:	276	Resp:	121957
Ion Ratio	Lower	Upper	
276	100		
138	19.0	16.2	24.2
277	25.5	20.1	30.1





#88

Benzo(b)fluoranthene

Concen: 15.12 ng

RT: 15.115 min Scan# 2215

Delta R.T. 0.006 min

Lab File: BF123612.D

Acq: 17 Apr 2021 2:08

Tgt Ion:252 Resp: 412653

Ion Ratio Lower Upper

252 100

253 23.3 18.1 27.1

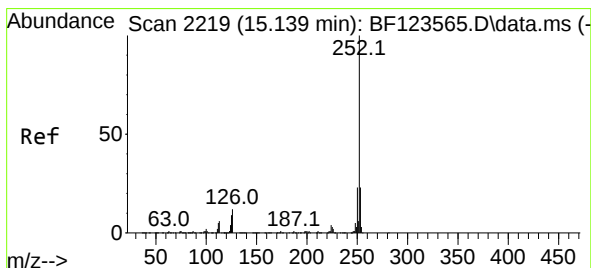
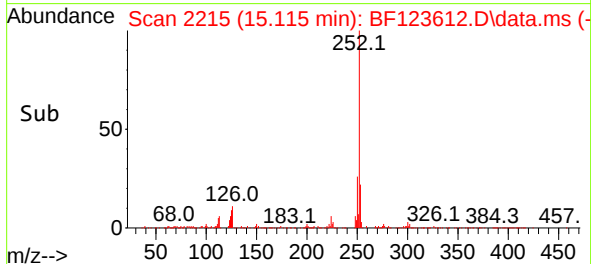
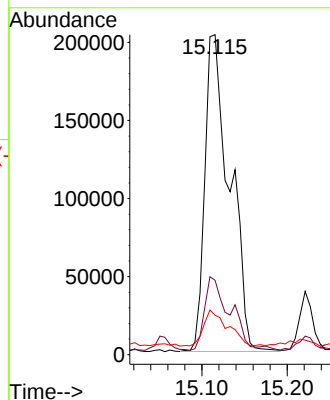
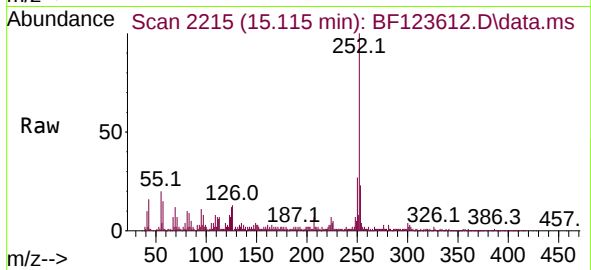
125 12.4 6.2 9.4#

Instrument :

BNA_F

ClientSampleId :

TR-05-041421



#89

Benzo(k)fluoranthene

Concen: 15.85 ng

RT: 15.115 min Scan# 2215

Delta R.T. -0.024 min

Lab File: BF123612.D

Acq: 17 Apr 2021 2:08

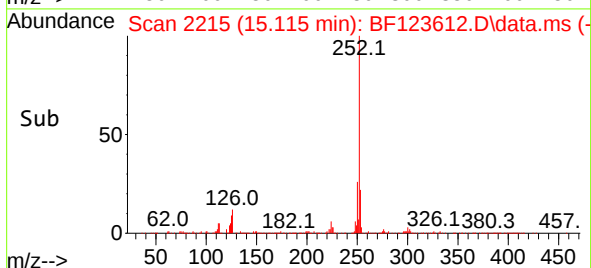
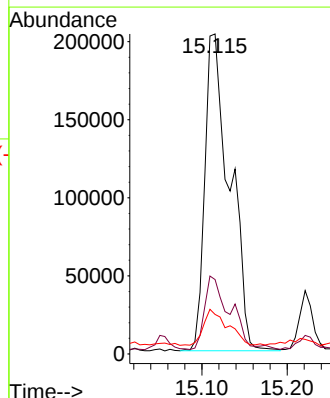
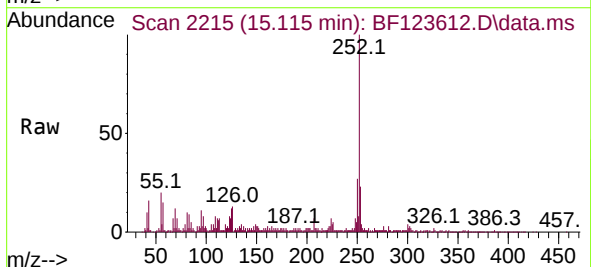
Tgt Ion:252 Resp: 412653

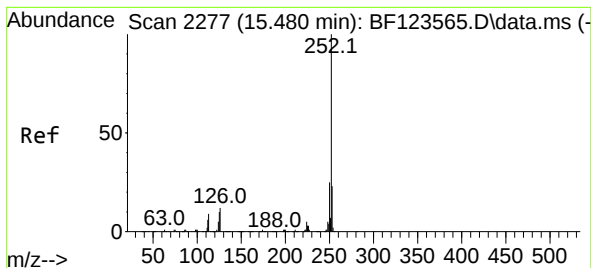
Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

125 12.4 7.0 10.6#





#90

Benzo(a)pyrene

Concen: 10.06 ng

RT: 15.486 min Scan# 2278

Delta R.T. 0.006 min

Lab File: BF123612.D

Acq: 17 Apr 2021 2:08

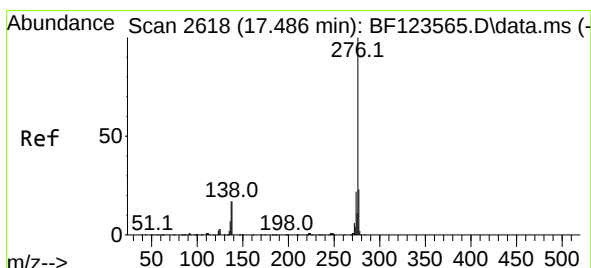
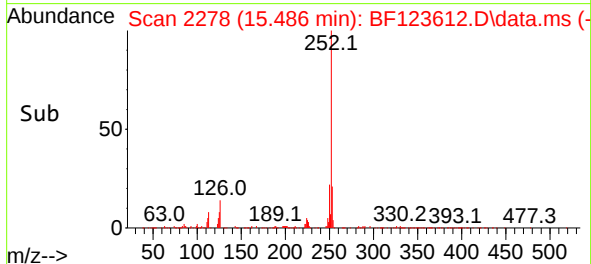
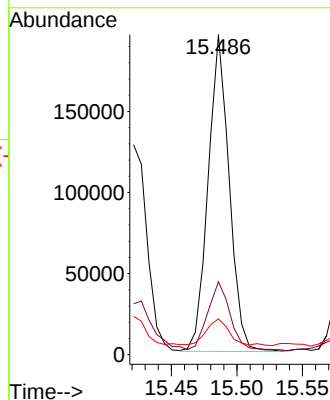
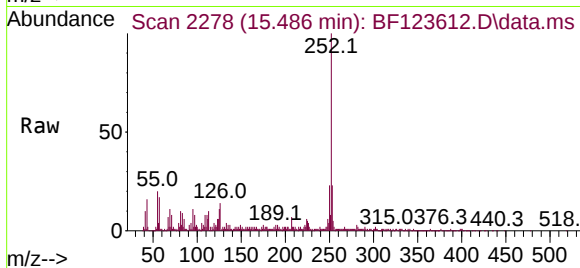
Instrument :

BNA_F

ClientSampleId :

TR-05-041421

Tgt Ion:252	Resp:	218476
Ion Ratio	Lower	Upper
252	100	
253	22.8	18.4 27.6
125	11.2	8.0 12.0



#92

Benzo(g,h,i)perylene

Concen: 8.81 ng

RT: 17.503 min Scan# 2621

Delta R.T. 0.018 min

Lab File: BF123612.D

Acq: 17 Apr 2021 2:08

Tgt Ion:276	Resp:	125953
Ion Ratio	Lower	Upper
276	100	
277	25.0	18.2 27.2
138	21.5	13.8 20.6

